APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Development of a Unified Theory of Catalysis. Structural and Energetic Factors" by A. A. Balandin, 14 pp.

RUSSIAN, per, Khim Nauka i Prom, Vol IV, No 5, 1959, pp 655-661. 9077080

ATS
RJ 2527

154814

Sci - Chem
Jun 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Shorygina, N. N. and Izumrudova, T. V.
CONTEMPORARY CONCEPTS ABOUT THE STRUCTURE, THE PROPERTIES AND THE MANNERS OF APPLICATION OF LIGNINS (Sovremennye Predstavleniya o Stroenii, Svoistvakh i Putyakh Ispol'zovaniya Ligninov). [1961] [36]p. (foreign text included) 71 refs.
Order from OTS or SLA $3.60 62-10448

Trans. of Khim[icheskaya] Nauka i Prom[yshlennost'] (USSR) 1959, v. 4, p. 747-756.

DESCRIPTORS: *Lignin, Chemical analysis, *Wood pulp, Processing, Wood.

(Materials--Wood, TT, v. 8, no. 3)

62-10448

I. Shorygina, N. N.
II. Izumrudova, T. V.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Kochetkov, N. K., Nifant'yev, E. Ye., and Shibayev, V. N.
NEW SYNTHESIS OF PHENANTRENES. [1961] 2p.
Order from LC or SLA mi$1.80, ph$1.80 61-10401

Trans. of Khimicheskaya Nauka i Promyshlennost' (USSR) 1959, v. 4, p. 608.

A method of synthesis of the phenanthrene structure is described by which the previously unattainable 10-alkyl-1, 2, 3, 4-tetrahydrophenanthrene and 9-alkyl-phenanthrene can be obtained.

(Chemistry--Organic, TT, v. 5, no. 10)

61-10401

I. Phenanthrene--Synthesis
I. Kochetkov, N. K.
II. Nifant'yev, E. Ye.
III. Shibayev, V. N.

181558

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

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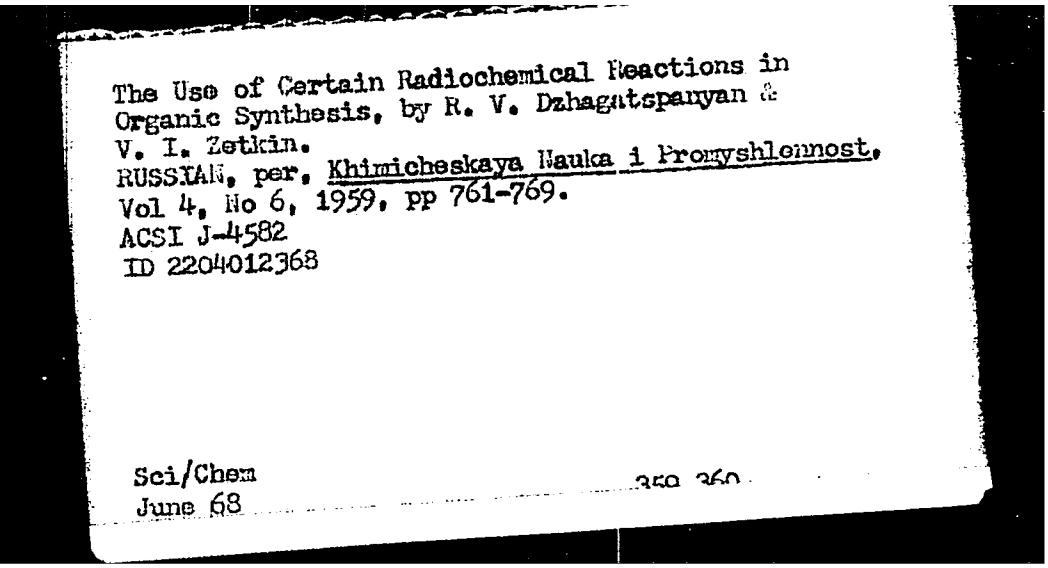

The Use of Certain Radiochemical Reactions in Organic Synthesis, by R. V. Dzhagatspanyan & V. I. Zetkin.
RUSSIAN, per. Khimicheskaya Nauka i Promyshlennost, Vol 4, No 6, 1959, pp 761-769.
ACSI J-4582
ID 2204012368

Sci/Chem
June 68

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Sulfur Compounds of Petroleum, by S. S. Nametkin, 19 pp.

RUSSIAN, bk, Khimiya Nefti, 1955, pp 233-248, Encl to IR-1546-56, AFOIN. CIA 550581

AF 1016595

39,178

USSR
Scientific - Fuels
Sep 56 CTS

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Chemistry of Petroleum, by A. F. Dobryanskiy.

RUSSIAN, bk, Khimiya Nefti, Leningrad, 1961, 228 pp.

*Geochem Soc
If any questions ask Miss Erickson of OTS because it is not a certain thing.

Sci
13 Mar 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

(NY-7127)

CHEMISTRY OF NEW HYPOTENSIVE AGENTS, BY NIKOLAY MIKHAYLOVICH TURKEVICH, 234 PP.

RUSSIAN, B BK, KHIMIYA NOVYKH GIPOTENSIVNYKH SREDSTV, KIEV, 1961, PP 1-207.

JPRS 14670

SCI - CHEM

JUL 62 205,837

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

FTD (TDBIR) ~~19-4-1~~ ~~BT68-10-892T~~
Request translation check 11-8-4 BT69-1-1648T

Effect of hydrophobization of the surface of glass fibers on their properties

M. S. Aslanova

Russ: Khim. Obrab. Poverkh. Stekl. Volokna, 1966, 10-14

In process as MT-24-52-70

Steel Negative 28 Aug 69

Negative 8 May 68

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

(SF-1878)

Conference on the Subject of the Toxicology of Compounds With High Molecular Weight and Chemical Raw Materials Used for Their Synthesis, by B. Yu. Kalinin, 7 pp.

RZHKHIM, per, Khim Obshch imeni D. I. Mendeleyeva, Vol VI, No 5, 1961, pp 577-580.

JPRS 13670

193, 513

Sci - Chem
May 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Oxidation of Unsaturated Compounds with Organic Peroxides, by N. Prilezhayev, 16 pp.
RUSSIAN, per. Khimich. Obzhch., Vol XLIII, No 4, pp 609-620.
Dept of Navy CNI tr 2485

Sci.-Chem
Nov 67

343,758

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Oxidation of Unsaturated Compounds with Organic Peroxides, by N. Prilezhayev, 43 pp.
RUSSIAN, per. Khimich. Obshch., Vol 42, 1910, pp 1387-1418.
Dept of Navy ONI tr 2478

Sci-Chem
Nov 67

343.754

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Oxidation of Unsaturated Compounds by Organic Peroxides, by N. Prileshayeva, 47 pp. RUSSIAN, per, Khimicheskoye Obshchestvo, Vol 44, 1912, pp 613-647. P5000:2568
Dept of Navy/NIC Tr No 2520

Sci-Chem
Mar 68

349.215

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Oxidation of Unsaturated Compounds with Organic Peroxides, by N. Prilezhayev, 16 pp. RUSSIAN, per, Khimich. Obshch, Vol XLIII, No 4, pp 609-620 P500019568
Dept of Navy/NIC Trans No 2485

Sci-Chem
Feb 68

350,644

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

(SF-2302)

CHEMICAL WEAPONS AND PRINCIPLES OF ANTICHEMICAL DEFENSE, BY A. A. STEPANOV, V. N. POPOV, 112 PP.

RUSSIAN, BK, KHIMICHESKOYE ORUZHIYE I OSNOVY PROTIVOKHIMICHESKOY ZASHCHITY, MOSCOW, 1962, PP 1-126.

JPRS 15107

USSR
MIL
SCI - CHEM
SEP 62

210,195

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Chemical Processing of Fuels, 110 pp.

RUSSIAN, bk, Khimicheskaya Pererabotka Topliva, 1954.

OTS 60-51176 (PL 480)

Sci - Fuels
Aug 61

162,801

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

. I. Kantkov, G. E. Bezredetskiy, 15 pp.

USSIAN, bk, Khimicheskaya Pererabotka Topliva. Trudy II
esoyuznogo Soveshchaniya po Khimicheskomu Khimicheskomu
oplivu i Tekhnologicheskim Gazam, 1957, pp 5-17.

OTS 60-51176
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

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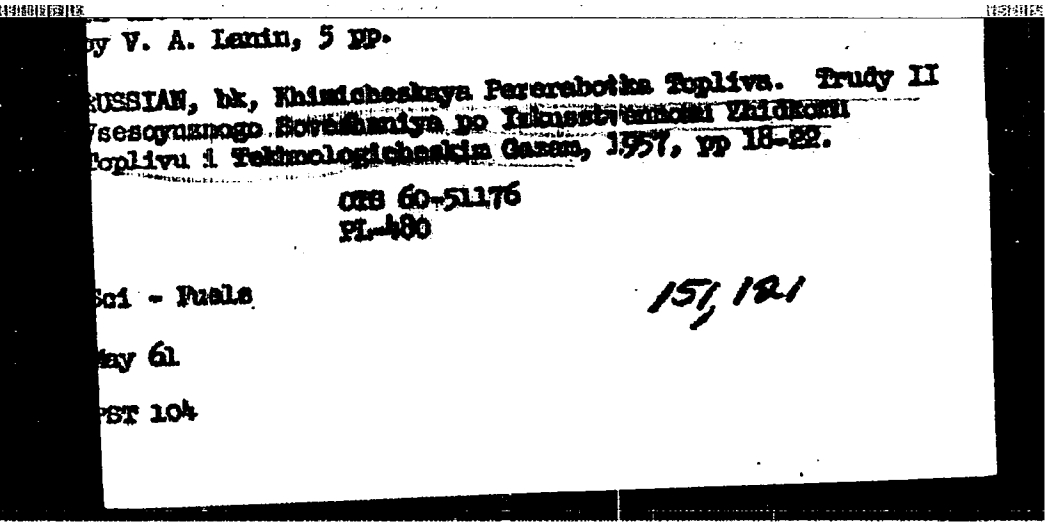

by V. A. Lenin, 5 pp.

RUSSIAN, bk, Khimicheskaya Pererabotka Topliva. Trudy II Vsesoyuznogo Soveshchaniya po Issledovaniyu Zhidkomu Toplivu i Tekhnologicheskim Gazam, 1957, pp 18-22.

OTS 60-51176
PL-480

Sci - Fuels

May 61

PST 104

151, 121

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Lignites with Solid Heat Carrier, by G. M. Shchegolev, 11 pp.

RUSSIAN, bk, Khimicheskaya Pererabotka Topliva. Trudy II Vsesoyuznogo Soveshchaniya po Tekhnicheskomu Zhidkomu Toplivu i Tekhnologicheskim Gazam, 1957, pp 45-55.

OTS 60-51176
PL-480

157,122

Sci - Fuels

May 61

PST 104

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Fluid Bed, by G. N. Bezrabotskiy, Yu. I. Turskiy, 9 pp.

RUSSIAN, bk, Khimicheskaya Pererabotka Topliva. Trudy II Vesoyuznogo Soveshchaniya po Iskusstvennomu Zhidkomu Topliyu i Tekhnologicheskim Gazam, 1957, pp 58-64.

OTS 60-51176
FL-480

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Sci - Fuels

May 61

PMT 104

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Production of Synthetic Liquid Fuel and Chemical Products by Thermal Dissolution of Solid Fuels, by M. K. D'yakova, 15 pp.

RUSSIAN, bk, Khimicheskaya Pererabotka Topliva. Trudy II Vsesoyuznogo Soveshaniya po Iskusstvennomu Zhidkomu Toplivu i Tekhnologicheskim Gazam, 1957, pp 261.-275.

OTS 60-51176
PL-480 155,275

Sci - Fuel

May 61

PST 104

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Production of Technological Gases by Gasification of Lean Fuels With Removal of Liquid Slags, by V. G. Ermako 9 pp.

RUSSIAN, bk, Khimicheskaya Pererabotka Topliva. Trudy II Vsesoyuznogo Soveshaniya po Iskusstvennomu Zhidkomu Toplivu i Tekhnologicheskim Gazam, 1957, pp 400-407

OTS 60-51176
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155,377

Sci - Fuels
May 61
PST 104

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Chemical Transmission of Neural Excitations,
11 pp. by A. V. Kibyakov
RUSSIAN, per, Khimicheskaya Peredacha
Vozbuzhdeniya, 1964, pp 177-185 and 207-
208.
JPRS 31,577

USSR
Biol & Med Sci
Aug 65 286,808

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

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Chemistry of Peroxide Compounds, 463 pp.

RUSSIAN, monograph, Khimiya Peroksidnykh Soyedineniy, Moscow, 1963, pp 1-313.

JPRS 27465

Sci - Chem
Jan 65 271950

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Determining the Coefficient of Diffusion of Bound Water in Wood, by Ya. M. Ivanov. RUSSIAN, per, Khimicheskaya Pererabotka i Zashchita Drevsiny, 1964, pp. 13-9.
NAC 69-11215-11L

Sci-Mat
July 69

388,413

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Hydrolysis of Birch Wood in an M-10 Vibratory Mill in the Presence of Different Catalysts, by V. K. Kal'nina, A. I. Kalnin'sh, I. I. Beynart. RUSSIAN, per, Khimicheskaya Pererabotka i Zashchita Drevesiny, 1964, pp. 21-9.
NTC 69-11216511L

Sci-Mat
July 69

388,414

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

The Effect of Various Salts in the Solution of Lignin and Carbohydrates of Deciduous Wood During Aqueous and Hydrotrophic Digestion, by V. S. Gromov, L. A. Khrol.
RUSSIAN, bk, Khimicheskaya Pererabotka i Zashchita Drevesin y, 1964, pp. 33-52.
NIC 69-11217-11L

Sci-Mat
July 69

388,415

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Decomposition of Carbohydrates and Formation of Furfural under the Conditions of Hydrotropic Cooking of Hardwood, by G. E. Dosburg, V. S. Gromov.
RUSSIAN, bk, Khimicheskaya Pererabotka i Zashchita Drevesiny, pp. 53-60, 1964.
NIC 69-11218-111.

Sci-Mat
July 69

388,416

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Frankov, I. A.
COMPARATIVE DATA ON THE ANTICHOLINESTERASE ACTIVITY AND TOXICITY OF SOME ORGANOPHOSPHORUS COMPOUNDS. [1962] 11p.
Order from ATS $12.50 ATS-89P65R

Trans. of mono. Khim[iya] i Primenenie Fosfororganicheskikh Soedin[enii] Akad. Nauk SSSR, Kazansk. Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 43 p. 443-452.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62[1160]p.

DESCRIPTORS: Organic compounds, *Phosphorus compounds, *Cholinesterase, Toxicity.

(Chemistry--Organic, TT, v. 9, no. 7)

63-12648

I. Frankov, I. A.
II. ATS-89P65R
III. Associated Technical Services, Inc., East Orange, N. J.

ATS RJ-4012

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

(NY-6859)

The Chemical Prophylaxis of Radiation Sickness, by A. S. Mozzhukhin, F. Yu. Rechinskiy, 27 pp.

RUSSIAN, booklet, Khimicheskaya Profilaktika Luchevoy Bolezni, 1960, 31 pp.

JPRS 11942

Sci - Med

179,101

Jan 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Chemical Prophylaxis of Radiation Injuries, by Aleksandr Sergeyevich Mozzhukhin,, Foma Yurevich Rachinskiy, 282 pp.

RUSSIAN, bk, Khimicheskaya Profilaktika Radiatsionyk Porazheniy, Moscow, 1964, pp 1-244.

JPRS 27227

Sci-Biol & Med
Jan 65

271,231

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Vol'f, F. F. and Yamlov, V. S.
STUDY OF THE CONDITIONS FOR THE CHEMICAL TREATMENT OF THE POTASH SALTS OF THE SOLIKAMSK DEPOSITS. ARTICLE I. THE QUESTION OF THE TREATMENT OF THE SOLIKAMSK SYLVINITE. [1963] 18p. 4 refs.
Order from OTS or SLA $1.60 63-14608

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1927, v. 4, p. 485-489.

DESCRIPTORS: *Sodium compounds, *Potassium compounds, *Chlorides, Solubility, Black liquor, Crystallization, Manufacturing methods, Chemical engineering, Rock salt.

(Engineering--Chemical, TT, v. 10, no. 7)

I. Title: Sylvinite
I. Vol'f, F. F.
II. Yamlov, V. S.
III. Title: Question . . .

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Magidson, O. Yu., Zil'berg, I. G., and Preobrazhenskii, N. A.
QUESTION OF THE CHLORINATION OF ACETIC ACID. Zelda D. Knowles, tr. 15 May 51, 8p 3refs
Order from OTS, SLA, or ETC $1.10 TT-61-28111

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1928, v. 5, no. 11/12, p. 528-529.

DESCRIPTORS: *Acetic acids, *Chlorination, *Chloroacetic acid, Synthesis (Chemistry), Catalysts, Sulfur

(Chemistry--Organic, TT, v. 11, no. 4)

TT-61-28111

I. Magidson, O. Yu.
II. Zil'berg, I. G.
III. Preobrazhenskii, N. A.
IV. National Institutes of Health, Bethesda, Md.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

The Chlorination of Acetic Acid, by E. A. Shilov, 15 pp.

RUSSIAN, per, Khim Prom, Vol VI, 1929, pp 538-540.

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SLA/INSDOC-T-2302
OTS TT-61-27095
199, 645

Sci - H Chem
May 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Yushkevich, N. F.
LABORATORY STUDY OF DIFFERENT STAGES OF THE AMMONIA-SODA PROCESS, L [1961] 35p.
Order from ES $20.00

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1929, v. 6, p. 1087-1098.

DESCRIPTORS: Sodium compounds, *Carbonates, Production, *Solvay process, Analysis.

(Unannounced)

61-25126

I. Yushkevich, N. F.
II. Stux, Erica, Akron, Ohio

184180

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Yushkevich, N. F., Sholin, I. N. and others.
LABORATORY STUDY OF DIFFERENT STAGES OF THE AMMONIA-SODA PROCESS, III. [1961] 19p.
Order from ES $18.00

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1929, v. 6, p. 1570-1585.

DESCRIPTORS: Sodium compounds, Carbonates, Production, *Solvay process, Analysis.

(Unannounced)

61-25127

I. Yushkevich, N. F.
II. Sholin, I. N.
III. Stux, Erica, Akron, Ohio

184181

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Pershke, V. K. and Chufarov, G. I.
THE PREPARATION OF HYDROCHLORIC ACID AND MAGNESIUM OXIDE FROM MAGNESIUM CHLORIDE. [1963] 18p (figs omitted) 6refs
Order from OTS, SLA, or ETC $1.60 TT-64-10726

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1930, v. 7, p. 332-335.

(Chemistry--Inorganic, TT, v. 11, no. 11)

TT-64-10726

I. Pershke, V. K.
II. Chufarov, G. I.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Chufarov, G. I. and Lokhvitskaya, A. P.
THE PREPARATION OF HYDROCHLORIC ACID AND MAGNESIUM OXIDE FROM MAGNESIUM CHLORIDE. II. [1963] [7p] 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-10239

Trans. of Khimicheskaya Promyshlennost' (USSR) 1930, v. 7, p. 962-964.

See also TT-64-10726

(Chemistry--Inorganic, TT, v. 11, no. 12)

TT-64-10239

I. Chufarov, G. I.
II. Lokhvitskaya, A. P.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Yushkevich, N. F. and Avdeeva, A. V.
A LABORATORY STUDY OF THE INDIVIDUAL STAGES OF THE SODA-AMMONIA PROCESS. V. CALCINATION OF SODIUM BICARBONATE. [1962]
46p. (13 figs. omitted) 12 refs.
Order from OTS or SLA $4.60 62-14044

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1931, v. 8, no. 17, p. 4-17.

DESCRIPTORS: Sodium, Ammonia, Decomposition, Sodium compounds, Bicarbonates, Carbon dioxide, Water, Industrial production

(Unannounced)

62-14044

I. Yushkevich, N. F.
II. Avdeeva, A. V.
III. Title: Calcination...

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Akhumov, E. I. and Vasil'ev, B. B.
TECHNOLOGICAL CALCULATIONS FOR THE EQUILIBRIUM OF THE CHLORIDES OF POTASSIUM, SODIUM AND MAGNESIUM AT HIGH TEMPERATURES. [1963] 12p. (figs. omitted) 3 refs.
Order from OTS or SLA $1.60 63-18107

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1931, v. 8, no. 17, p. 17-25.

DESCRIPTORS: *Chlorides, *Potassium compounds, *Sodium compounds, *Magnesium compounds, Chemical equilibrium, Solubility, Separation, Evaporation, Chemical precipitation.

(Chemistry--Physical, TT, v. 10, no. 9)

63-18107

I. Akhumov, E. I.
II. Vasil'ev, B. B.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

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Preparation of Potassium Nitrate by the Action of Nitric Acid or Nitrogen Oxides on the Chlorides, by I. A. Mirkin, 24 pp.

RUSSIAN, per, Khimicheskaya Promyshlennost USSR, Vol VIII, 1931, pp 351-359.

SLA 59-10738

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102, 794

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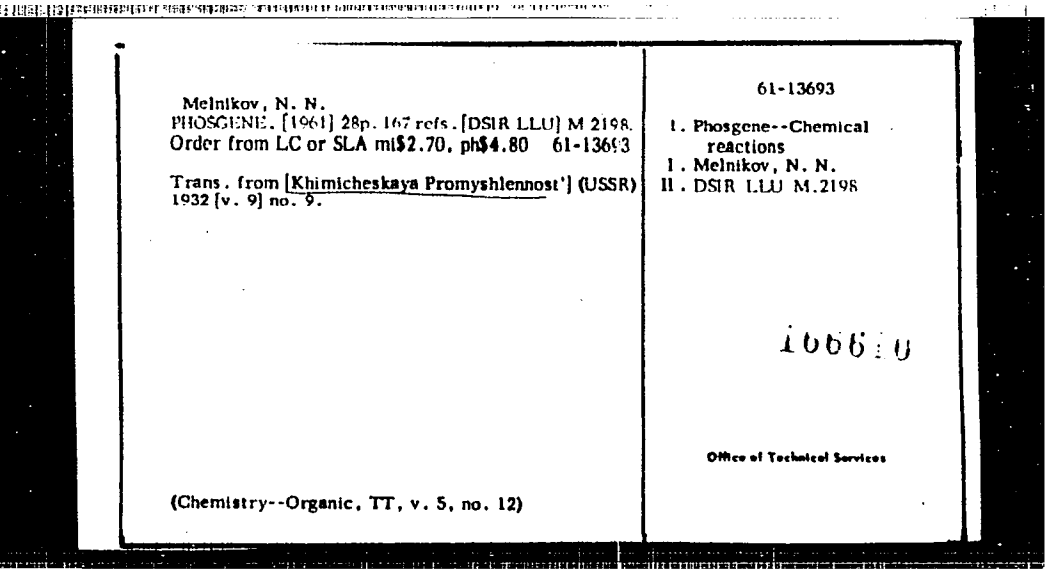

Melnikov, N. N.
PHOSGENE. [1961] 28p. 167 refs. [DSIR LLU] M 2198.
Order from LC or SLA mi$2.70, ph$4.80 61-13693

Trans. from [Khimicheskaya Promyshlennost'] (USSR) 1932 [v. 9] no. 9.

(Chemistry--Organic, TT, v. 5, no. 12)

61-13693

1. Phosgene--Chemical reactions
I. Melnikov, N. N.
II. DSIR LLU M.2198

166610

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Pershke, V. K. and Kalinin, S. K.
PHYSICO-CHEMICAL DATA FOR THE VACUUM EVAPORATION OF MAGNESIUM CHLORIDE SOLUTION. [1963] [8]p. 4 refs.
Order from OTS or SLA $1.10 63-18110

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1932, v. 9, no. 12, p. 16-17.

DESCRIPTORS: *Magnesium compounds, *Chlorides, Solutions, *Evaporation, Vacuum systems, *Vapor pressure.

(Chemistry--Physical, TT, v. 10, no. 9)

63-18110

I. Pershke, V. K.
II. Kalinin, S. K.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Karzhavin, V. A., Boguslavskii, I. M., and Smirnova, Z. M.
A STUDY OF CATALYSTS FOR CONVERSION OF METHANE. [1961] 15p 33refs.
Order from OTS, SLA, or ETC $1.60 TT-61-18322

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1933 [v. 10] no. 8, p. 31-40.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-61-18322

I. Karzhavin, V. A.
II. Boguslavskii, I. M.
III. Smirnova, Z. M.

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Karzhavin, V. A. and Leibush, A. G.
PREPARATION OF HYDROGEN BY CATALYTIC CONVERSION OF GASES WITH A HIGH CONTENT OF UNSATURATED HYDROCARBONS: POISONING OF A NICKEL CATALYST BY HYDROGEN SULFIDE. [1961] 13p 7refs.
Order from OTS, SLA, or ETC $1.60 TT-61-18338

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1934 [v.11] no. 5, p. 45-53.

(Chemistry--Physical, TT, v. 12, no. 4)

TT-61-18338

I. Karzhavin, V. A.
II. Leibush, A. G.
III. Title: Poisoning ...

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Kamzolkin, V. P., Livshits, V.D., and Kozhenov, K. T.
ON THE REDUCTION OF A CATALYST FOR THE SYNTHESIS OF AMMONIA: EXPERIMENT IN OPERATING TOWER NO. 5 AT THE BAREZNIKOVSKY CHEMICAL COMBINE. [1963] 6p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-10740

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1935 [v. 12] no. 7, p. 687-690.

(Chemistry--Physical, TT, v. 11, no. 11)

TT-64-10740

I. Kamzolkin, V. P.
II. Livshits, V. D.
III. Kozhenov, K. T.
IV. Title: Experiment...

Office of Technical Services

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Active Manganese Dioxide From Pyrolusite,
by V. V. Kozlov, T. I. Vol'fson, 20pp.
RUSSIAN, per, Khimicheskaya Promyshlennost',
Vol 12, 1935, pp 1167-1171,
CFSTI TT-64-18936.

322, 606

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

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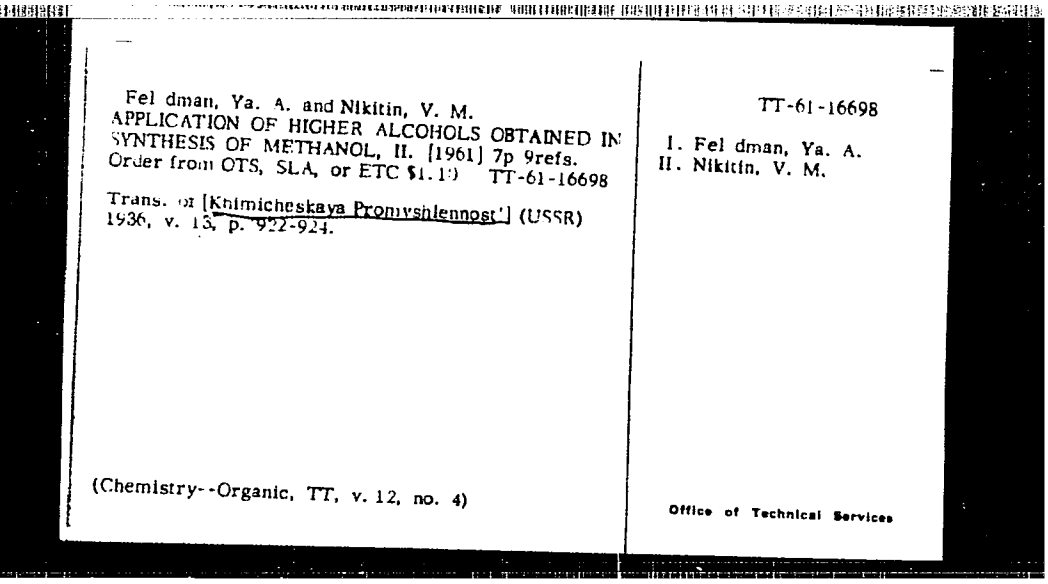

Fel dman, Ya. A. and Nikitin, V. M.
APPLICATION OF HIGHER ALCOHOLS OBTAINED IN SYNTHESIS OF METHANOL, II. [1961] 7p 9refs.
Order from OTS, SLA, or ETC $1.1? TT-61-16698

Trans. of [Khimicheskaya Promyshlennost'] (USSR)
1936, v. 13, p. 922-924.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-61-16698

I. Fel dman, Ya. A.
II. Nikitin, V. M.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Yushkevich, N. F. and Torocheshnikov, N. S.
COEXISTENCE OF LIQUID AND VAPOR PHASES OF SOLUTIONS OF NITROGEN AND CARBON MONOXIDE [Issledovanie o Sosushchestvovanii Zhidkoi i Parovoi faz Rastvorov Azota i Okisi Ugleroda]. [1961] 19p. (4 figs. omitted) 31 refs.
Order from OTS or SLA $1.60 61-18145

Trans. of Khimicheskaya Promyshlennost' (USSR) 1936, v. 13 [no. 21] p. 1273-1283.
Another translation is available from ATS as ATS RJ-183.

DESCRIPTORS: Nitrogen, Carbon compounds, Monoxides, Phase studies, Chemical equilibrium, Liquids, Vapors.

(Unannounced)

61-18145

I. Yushkevich, N. F.
II. Torocheshnikov, N. S.
III. ATS RJ-183

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Krech, E. L.
THE ACTION OF CHLORINE ON THE METASILICATES OF SODIUM, MAGNESIUM, LEAD AND NICKEL. 28 July 47, 15p. 15 refs.
Order from OTS or SLA $1.60 61-20630

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1937, v. 14 [no. 1] p. 37-40.

DESCRIPTORS: Sodium compounds, Silicates, Magnesium compounds, Lead compounds, Nickel compounds, Chlorine, Chemical reactions.

(Unannounced)

61-20630

I. Krech, E. L.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Kamzolkin, V. P. and Livshits, V. D.
THE POISONING ACTION OF OIL ON THE ACTIVITY OF AMMONIA CATALYSTS. [1963] 13p (figs omitted) 2refs
Order from OTS, SLA, or ETC $1.60 TT-64-10739

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1937, v. 14, no. 17/18, p. 1225-1229.
Another trans. in Dutch is available from OTS or ETC $1.85 as TT-61-17947, MTWL-311, 17p.

(Chemistry--Physical, TT, v. 11, no. 11)

TT-64-10739

I. Kamzolkin, V. P.
II. Livshits, V. D.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Shabalin, K. N., Krullov, S. F., and Oborin, V. L.
THE RATE OF ABSORPTION UNDER BUBBLING CONDITIONS (Skorost' Absorbtsii v Usloviyakh Barbotazha). [1961] 7p. 4 refs. [DSIR LLU] M. 2749. Order from OTS or SLA $1.10 61-23319

Unedited trans. of [Khimicheskaya Promyshlennost'] (USSR) 1939, v. 16, no. 1, p. 10-14.

DESCRIPTORS: *Absorption, *Gases, *Bubbles, *Liquids, Air, Temperature, Osmotic pressure, Mathematical analysis, Test methods.

(Chemistry--Physical, TT, v. 6, no. 12)

61-23319

I. Shabalin, K. N.
II. Krullov, S. F.
III. Oborin, V. L
IV. DSIR LLU M. 2749

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Abdullaev, Ya. A.
THE STUDY OF THE EQUILIBRIUM SYSTEMS OF LIQUID CARBON DIOXIDE IN THE PRESENCE OF TECHNICAL GASES (Izuchenie Ravnovesnykh Sistem Zhidkoi Uglekisloty v Prisutsvii Tekhnicheskikh Gazov) J. R. Cahoon, tr. 1960 [15p] (foreign text included) 7refs [NBS] T-8.
Order from OTS, SLA, or ETC $1.60 TT-64-13554

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1939, v. 16, no. 2, p. 37-40.

(Chemistry--Physical, TT, v. 11, no. 11)

TT-64-13554

I. Abdullaev, Ya. A.
II. NBS-T-8
III. National Bureau of Standards, Boulder, Colo.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Rups, S. M.
APPARATEN VOOR HET BEWAREN EN TRANSPORTEREN VAN GROTE HOEVEELHEDEN VLOEIBARE ZUURSTOF (Apparatus for the Storing and Transporting of Large Quantities of Liquid Oxygen) tr. by G. J. M. Fritschy. 10p. MTWL: 127. (text in Dutch). Order from OTS or ETC $1.55 61-17732

Trans. of Khimicheskoi Promyshlennosti (USSR) 1939, v. 16, no. 8, p. 43-44.

DESCRIPTORS: *Oxygen, Liquids, *Storage, *Transformation.

61-17732

I. Rups, S. M.
II. MTWL-127
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Kal'manovich, M. B. and Ishkin, I. P.
CONDITIONS OF SIMULTANEOUS PRODUCTION FROM AIR OF TECHNICALLY-PURE OXYGEN AND NITROGEN [Usloviya Odnovremennogo Polucheniya iz Vozdukha Tekhnicheski Chistykh Kisloroda i Azota]. [1963] 16p. 10 refs.
Order from OTS or SLA $1.60 63-18265

Trans. of [Khimicheskaya Promyshlennost' (USSR) 1939] v. 16, no. 9, p. 12-15.
Another trans. is available from SLA as RT-2167, 11p.

DESCRIPTORS: *Oxygen, *Nitrogen, Production, *Towers, (Chemistry), Design, Operation.

(Engineering--Chemical, TT, v. 10, no. 11)

63-18265

I. Kal'manovich, M. B.
II. Ishkin, I. P.
III. RT-2167

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

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Physico-Chemical Properties of Mixtures of Ammonium Nitrate and Superphosphate, by N. E. Pestov, A. N. Mironova.

RUSSIAN, per, Khim Prom', No 2, 1940, pp 11-14.

CSIRO

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Cherepkov, I. F.
FORMATION DU BROUILLARD DE H2SO4 LORS DE LA PRÉPARATION DE CET ACIDE EN PRÉSENCE DES COMPOSÉS DE L'AZOTE (Tumanoobrazovaya Kisgota v Nitroznom Sernokislotnom Protsesse) (Fog Formation by Acid in the Nitrosylsulfuric Acid Process) 13p.
Order from OTS, ETC or CNRS $0.80 62-26500

Trans. in French of Khimicheskaya Promyshlennost' (USSR) 1940, v. 17, no. 3, p. 18-24.

DESCRIPTORS: *Sulfuric acid, *Nitrogen compounds, Sulfur compounds, Dioxides, Aerosols, Experimental data.

(Engineering--Chemical, TT, v. 10, no. 8)

62-26500

I. Title: Nitrosylsulfuric acid
I. Cherepkov, I. F.
II. Centre National de la Recherche Scientifique, Paris (France)

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Kinetics of the Reaction Between SO_2 and H_2S,
by V. S. Undintseva, G. I. Chufarov
RUSSIAN, per. Khim. Prom. Vol 17, No 3,
1940, pp 24-26.
NLL 9022.09 (4513)

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Oct 67 342,742

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Sister, G. A. and Sokolov, P. P.
OBTAINING TECHNICAL HYDROGEN FROM COKE-OVEN GAS AT LOW TEMPERATURES
Bertha P. Klenova, tr. 19 Sep 62, 5p 3refs [TVA] 4009.
Order from OTS, SLA, or ETC $1.10 TT-63-24285

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1940, v. 17, no. 4/5, p. 44-45.
Another trans. is available in Dutch from OTS or ETC $1.55 as TT-61-17664, MTWL-46, 6p.

DESCRIPTORS: *Hydrogen, Low temperature research, Coke, Gases, Nitrogen, Solubility, Production, Coal gas.

(Engineering--Chemical, TT, v. 11, no. 5)

TT-63-24285

I. Sister, G. A.
II. Sokolov, P. P.
III. TVA-4009
IV. Tennessee Valley Authority, Wilson Dam, Ala.

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Synthesis of Acetone From Acetylene, by A. S. Broun, O. S. Kuratova, et al.

RUSSIAN, per, Khim Prom, Vol XVIII, No 1, 1941, pp 24-29.

SIA 61-16521

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186, 835

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Shkol'man, E. E. and Gubergrits, M. Ya.
USE OF BLAST FURNACE SLAG FOR EXTENSIVE PURIFICATION OF COKE OVEN GAS. [1961] 5p. 5 refs.
Order from OTS or SLA $1.10 61-16823

Condensed trans. of [Khimicheskaya Promyshlennost'] (USSR) 1941 [v. 18] no. 3, p. 6-11.

DESCRIPTORS: *Slags, *Coke, Purification, Blast furnaces, Waste gases.

Experiments are reported on substitution of blast furnace slag for sawdust as a filler in the adsorption mass consisting mainly of bog iron ore and used for removal of hydrogen sulfide and nitrogen oxides from coke oven gases. Slag by itself can remove as much nitrogen oxide as bog iron ore. Basic granulated slag in about 50% by volume was found to be superior to sawdust as a filler. Its use results in elimination of about 50% nitrogen (Engineering--Chemical, TT, v. 6, no. 8) (over)

61-16823

I. Shkol'man, E. E.
II. Gubergrits, M. Ya.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Stepanov, M. N. and Remnev, S. N.
EXTRACTION OF SULFURIC ACID FROM CRACKED OIL SLUDGE. [1961] 3p.
Order from OTS or SLA $1.10 61-16901

Condensed trans. of [Khimicheskaya Promyshlennost'] (USSR) 1941, v. 18, no. 4, p. 6-8.

DESCRIPTORS: *Sulfuric acid, Separation, *Petroleum, Processing.

By treatment of cracked oil acid sludge with superheated steam or hot water under atmospheric pressure, up to 95% of the acid may be recovered. By separation under pressure the content of organic matter in the acid can be reduced. Concentration of the acid in vacuum is feasible up to 80% sulfuric acid. (Author)

(Engineering--Chemical, TT, v. 6, no. 7)

61-16901

I. Stepanov, M. N.
II. Remnev, S. N.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Berlin, L. E.
EXPERIMENTAL APPARATUS FOR CONTINUOUS AMMONIZATION OF SUPER[PHOSPHATE] (Ispytanie Apparata dlya Neprerynnoi Ammonizatsii Superfosfata). [1963] [19]p. (foreign text included).
Order from OTS or SLA $1.60 63-18139

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1941, v. 18, no. 4, p. 10-15.

DESCRIPTORS: *Phosphates, *Sulfates, *Calcium compounds, *Fertilizers, *Ammonia, *Industrial equipment.

(Agriculture, TT, v. 10, no. 11)

63-18139

I. Berlin, L. E.

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Torocheshnikov, N. S. and Gurevich, Ts. N.
LIQUEFACTION OF POLYCOMPONENT GASEOUS MIXTURES AT LOW TEMPERATURES. [1961] 11p. 15 refs.
Order from OTS or SLA $1.10 61-16922

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1941, v. 18, no. 5, p. 7-13.

DESCRIPTORS: *Liquefied gases, *Low temperature research, Temperature, Gases, Mixtures, Methanes, Hydrogen, Carbon compounds, Monoxides, Oxygen, Nitrogen, Separation, Determination.

Liquefaction of three gaseous mixtures was investigated by a dynamic method. A method of analysis of mixtures containing methane, hydrogen, carbon monoxide, oxygen and nitrogen was developed, based on a combination of absorption of oxygen, carbon monoxide (Chemistry--Physical, TT, v. 6, no. 10) (over)

61-16922

I. Torocheshnikov, N. S.
II. Gurevich, Ts. N.

16697

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Gonikberg, M. G. and Gurvich, I. G.
INVESTIGATION OF THE PERFORMANCE OF A PODBIELNIAK COLUMN USING A MIXTURE OF BENZENE AND DICHLOROETHANE. [1961] 9p. 10 refs.
Order from OTS or SLA $1.10 61-16946

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1941 [v. 18] no. 5, p. 21-26.

DESCRIPTORS: *Benzenes, *Ethanes, *Chlorides, Fractionation, *Distilling plants, Performance, Mixtures.

The efficiency of the Podbielniak fractionator model 1200 was analyzed by using a mixture of benzene and dichloroethane and a formula derived for the calculation of columns of this type. The data obtained indicate that under conditions of streamline flow of liquid and turbulent flow of vapor, which characterize this apparatus, (Chemistry--Physical, TT, v. 6, no. 8) (over)

61-16946

I. Gonikberg, M. G.
II. Gurvich, I. G.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Krentsel', B. A.
SOME THERMODYNAMICAL CALCULATIONS OF THE PROCESS OF HYDROGENATION OF PHENOLS.
[1961] 5p. 9 refs.
Order from OTS or SLA $1.10 61-18134

Condensed trans. of [Khimicheskaya Promyshlennost'] (USSR) 1941, v. 18, no. 6, p. 25-27.

DESCRIPTORS: *Phenols, Hydrogenation, Thermodynamics, Chemical equilibrium, Thermochemistry.

Equilibrium constants for the hydrogenation of phenol to benzene, cresol to toluene, cresol to phenol and xylenol to xylene at temperatures from 25 to 1000°C were calculated on the basis of free energies of formation of the compounds involved reported in the literature. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-18134

1. Krentsel', B. A.

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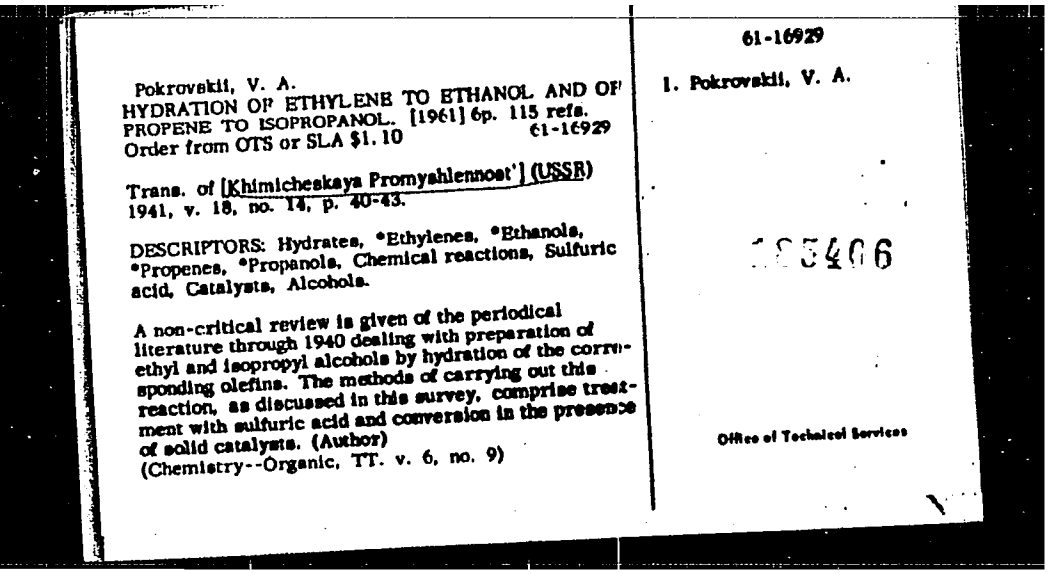

Pokrovskii, V. A.
HYDRATION OF ETHYLENE TO ETHANOL AND OF PROPENE TO ISOPROPANOL. [1961] 6p. 115 refs.
Order from OTS or SLA $1.10 61-16929

Trans. of [Khimicheskaya Promyshlennost'] (USSR)
1941, v. 18, no. 14, p. 40-43.

DESCRIPTORS: Hydrates, *Ethylenes, *Ethanols, *Propenes, *Propanols, Chemical reactions, Sulfuric acid, Catalysts, Alcohols.

A non-critical review is given of the periodical literature through 1940 dealing with preparation of ethyl and isopropyl alcohols by hydration of the corresponding olefins. The methods of carrying out this reaction, as discussed in this survey, comprise treatment with sulfuric acid and conversion in the presence of solid catalysts. (Author)
(Chemistry--Organic, TT. v. 6, no. 9)

61-16929

1. Pokrovskii, V. A.

193466

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

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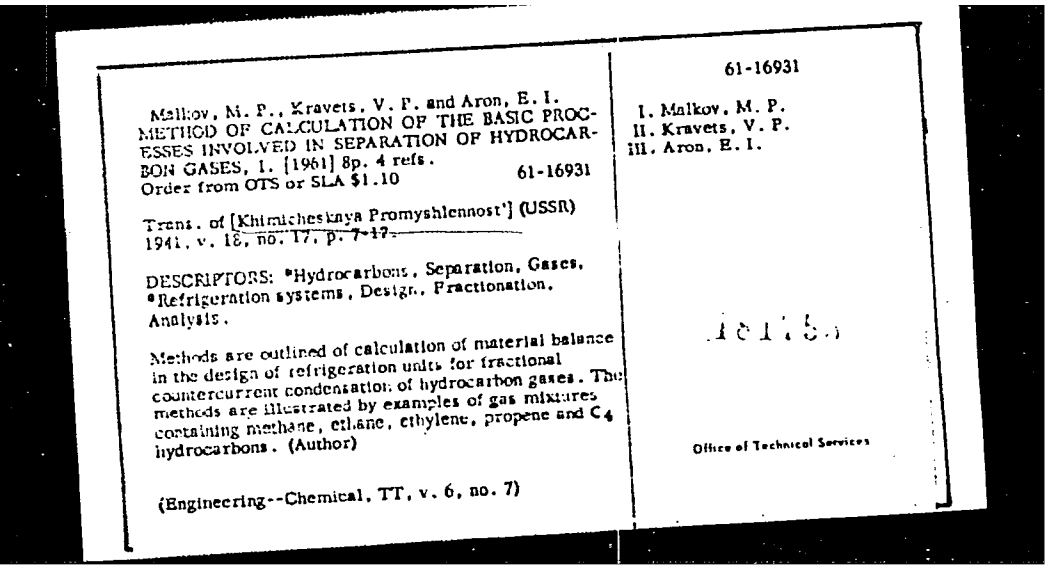

Malkov, M. P., Kravets, V. P. and Aron, E. I.
METHOD OF CALCULATION OF THE BASIC PROCESSES INVOLVED IN SEPARATION OF HYDROCARBON GASES, I. [1961] 8p. 4 refs.
Order from OTS or SLA $1.10 61-16931

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1941, v. 18, no. 17, p. 7-17.

DESCRIPTORS: *Hydrocarbons, Separation, Gases, *Refrigeration systems, Design, Fractionation, Analysis.

Methods are outlined of calculation of material balance in the design of refrigeration units for fractional countercurrent condensation of hydrocarbon gases. The methods are illustrated by examples of gas mixtures containing methane, ethane, ethylene, propene and C_4 hydrocarbons. (Author)

(Engineering--Chemical, TT, v. 6, no. 7)

61-16931

I. Malkov, M. P.
II. Kravets, V. P.
III. Aron, E. I.

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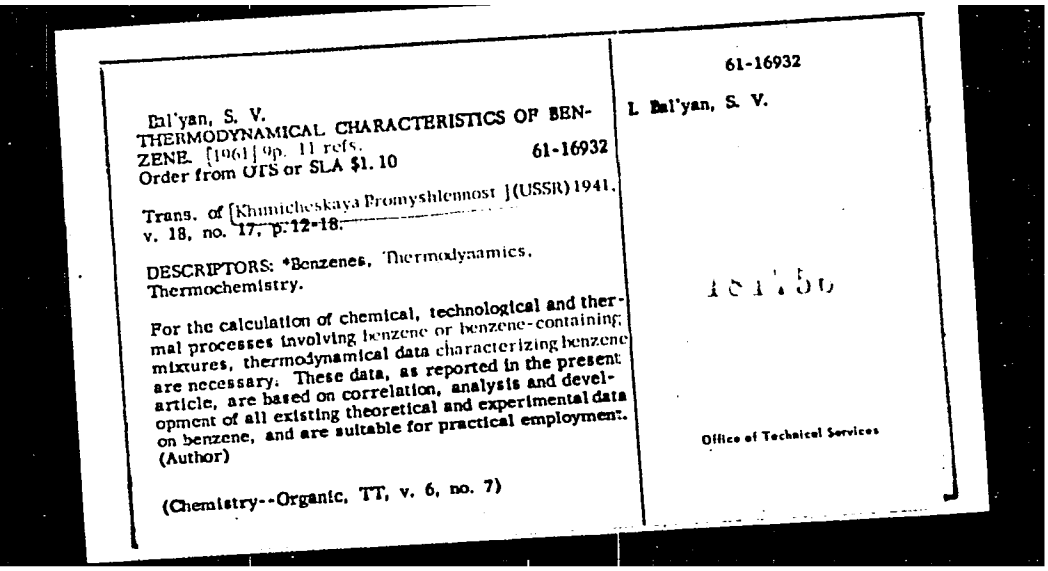

Bal'yan, S. V.
THERMODYNAMICAL CHARACTERISTICS OF BENZENE. [1961] 9p. 11 refs. 61-16932
Order from OTS or SLA $1.10

Trans. of [Khimicheskaya Promyshlennost](USSR) 1941, v. 18, no. 17, p. 12-18.

DESCRIPTORS: *Benzenes, Thermodynamics, Thermochemistry.

For the calculation of chemical, technological and thermal processes involving benzene or benzene-containing mixtures, thermodynamical data characterizing benzene are necessary. These data, as reported in the present article, are based on correlation, analysis and development of all existing theoretical and experimental data on benzene, and are suitable for practical employment. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-16932

L Bal'yan, S. V.

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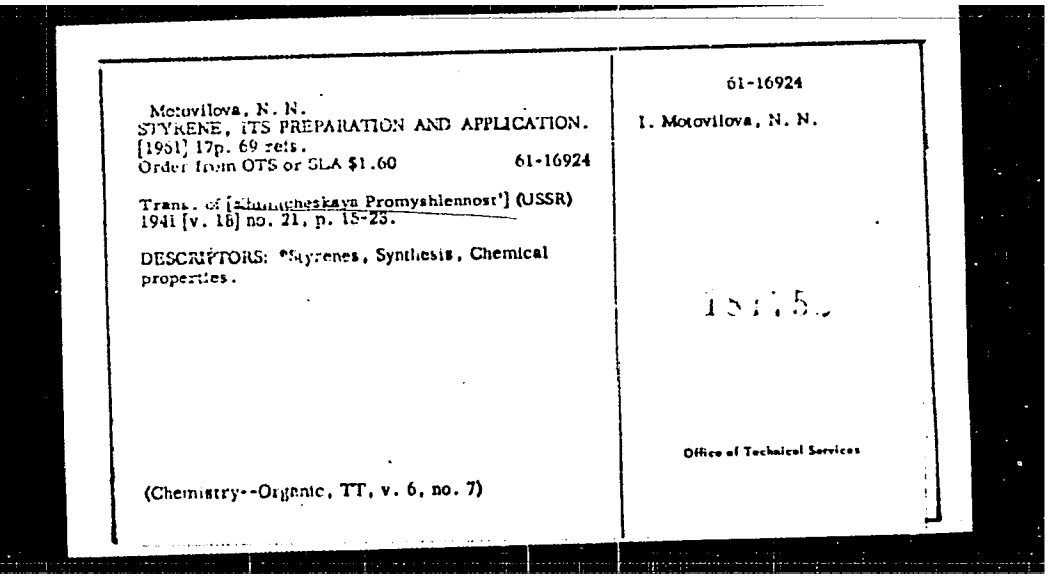

Motovilova, N. N.
STYRENE, ITS PREPARATION AND APPLICATION.
[1951] 17p. 69 refs.
Order from OTS or SLA $1.60 61-16924

Trans. of [Khimicheskaya Promyshlennost'] (USSR)
1941 [v. 18] no. 21, p. 15-23.

DESCRIPTORS: *Styrenes, Synthesis, Chemical properties.

(Chemistry--Organic, TT, v. 6, no. 7)

61-16924

I. Motovilova, N. N.

1951.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Rapoport, I. A.
EXTRACTION OF UKRAINIAN BROWN COALS.
[1961] 5p. 9 refs.
Order from OTS or SLA $1.10 61-18157

Trans. of [Khimicheskaya Promyshlennost'] (USSR)
1941, v. 18, no. 22, p. 8-10.

DESCRIPTORS: *Coal, Processing, Mining engineering.

A discussion of large scale extraction of brown coals with various solvents is given and some experimental data reported. Dichloroethane is an advantageous solvent because of its solvent potency and also because its specific gravity, which is close to that of the brown coal, insures intimate contact of the solvent with the charge. A vertical extractor of a design shown in the article may be used with this solvent and as much as 97.6% of montan wax present in the charge can be ex-
(Engineering, TT, v. 6, no. 9) (over)

61-18157

I. Rapoport, I. A.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

A New Highly Effective Thermal Insulator, by
E. N. Otvagin, L. A. Lukoshkina, S. D.
Evanchik, 4 pp.

RUSSIAN, par, Khim Prom, No 1/2, 1944, pp 38-39.

SLA 60-18697

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Use of Oxygen in the Burning of Sulfur-Containing Raw Materials in the Manufacture of Sulfuric Acid, by K. M. Malin, 12 pp.

RUSSIAN, per, Khim Prom, No 5, 1944, pp 10-12.

26,690

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Scientific - Chemistry Sep 55 CTS/DEX

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Planovskii, A. N. and Kagan, S. Z.
BENZEENSULFONZUURSYNTHESE VOLGENS EEN CONTINUE METHODE (Continuous Process for the Production of Benzene-sulfonic Acid) tr. by G. J. M. Fritschy. 18p. 10 refs. MTWL: 2. (text in Dutch).
Order from OTS or ETC $1.85 61-17701

Trans. of Khimicheskaya Promyshlennost' (USSR) 1944, no. 9, p. 5-10.

DESCRIPTORS: *Benzenes, *Sulfonic acids, Phenyl radicals, Processing, Sulfuric acids, Anhydrides.

61-17701

I. Planovskii, A. N.
II. Kagan, S. Z.
III. MTWL-2
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

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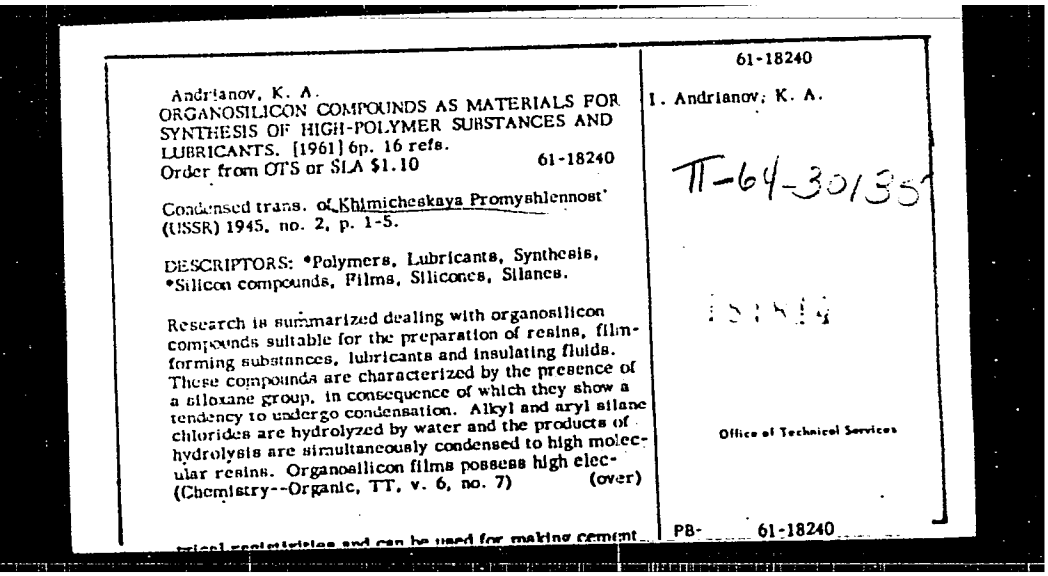

Andrianov, K. A.
ORGANOSILICON COMPOUNDS AS MATERIALS FOR SYNTHESIS OF HIGH-POLYMER SUBSTANCES AND LUBRICANTS. [1961] 6p. 16 refs.
Order from OTS or SLA $1.10 61-18240

Condensed trans. of Khimicheskaya Promyshlennost' (USSR) 1945, no. 2, p. 1-5.

DESCRIPTORS: *Polymers, Lubricants, Synthesis, *Silicon compounds, Films, Silicones, Silanes.

Research is summarized dealing with organosilicon compounds suitable for the preparation of resins, film-forming substances, lubricants and insulating fluids. These compounds are characterized by the presence of a siloxane group, in consequence of which they show a tendency to undergo condensation. Alkyl and aryl silane chlorides are hydrolyzed by water and the products of hydrolysis are simultaneously condensed to high molecular resins. Organosilicon films possess high elec- (over)
(Chemistry--Organic, TT, v. 6, no. 7)

trical resistivities and can be used for making cement

61-18240

I. Andrianov, K. A.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Kardashev, D. A., Leznov, N. S., and Nuzhdina, V. P.
NEW RESINS FROM ALLYL ESTERS OF DIBASIC ACIDS. [1961] 4p. 14 refs.
Order from OTS or SLA $1.10 61-18237

Trans. of Khimicheskaya Promyshlennost' (USSR) 1945, no. 2, p. 5-6.

DESCRIPTORS: *Resins, *Allyl radicals, *Esters, Polymerization, Fumaric acids, Benzoyl radicals, Peroxides, *Dibasic acids.

A preliminary communication is made on the preparation of diallyl esters of 8 dibasic acids and their polymerization in the presence of benzoyl peroxide. The data reported are held to offer a new case of tridimensional polymerization. Copolymerization with methyl methacrylate is also possible. The rate of polymerization can be modified by the use of conventional (over)
(Materials--Plastics, TT, v. 6, no. 8)

61-18237

I. Kardashev, D. A.
II. Leznov, N. S.
III. Nuzhdina, V. P.

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Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Determination of Melamine in a Technical Product, by Gh. V. Zaverov, 2 pp.

RUSSIAN, per, Khim Prom, No 2, 1945, p 21.

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Scientific - Chemistry

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Ginzburg, E. N.
SOME PHYSICAL COEFFICIENTS OF SUPERPHOSPHATE RIPENING IN A CHAMBER. [1963] 11p. (figs. omitted).
Order from OTS or SLA $1.60 63-14570

Trans. of Khimicheskaya Prom[yshlennost'] (USSR) 1945, no. 3, p. 8-9.

DESCRIPTORS: *Phosphates, *Calcium compounds, *Sulfates, *Shear stresses, *Fertilizers, Solids, Physical properties.

(Agriculture, TT, v. 10, no. 6)

63-14570

I. Ginzburg, E. N.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Losev, I. P., Danilovich, A. I. and Kon, A. V.
PREPARATION OF ACIDS BY OXIDATION OF KEROSENE. [1961] 6p. 2 refs.
Order from OTS or SLA $1.10 61-18238

Trans. of Khimicheskaya Promyshlennost' (USSR) 1945, no. 3, p. 11-14.

DESCRIPTORS: *Kerosene, Oxidation, Carboxylic acids, *Acids, Synthesis, Hydroxides.

(Chemistry--Organic, TT, v. 6, no. 9)

61-18238

I. Losev, I. P.
II. Danilovich, A. I.
III. Kon, A. V.

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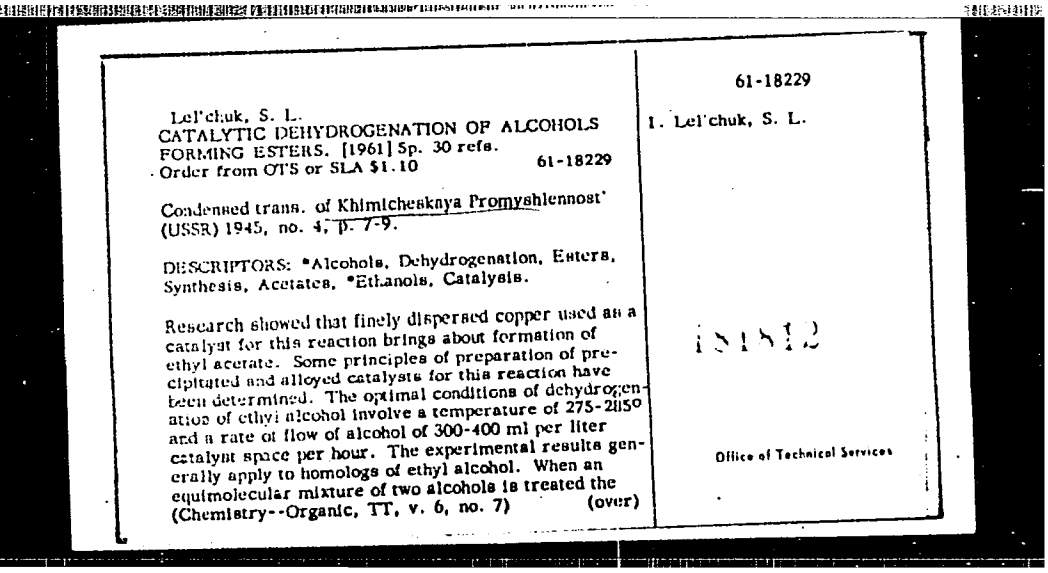

Lel'chuk, S. L.
CATALYTIC DEHYDROGENATION OF ALCOHOLS FORMING ESTERS. [1961] 5p. 30 refs.
Order from OTS or SLA $1.10 61-18229

Condensed trans. of Khimicheskaya Promyshlennost' (USSR) 1945, no. 4, p. 7-9.

DESCRIPTORS: *Alcohols, Dehydrogenation, Esters, Synthesis, Acetates, *Ethanols, Catalysis.

Research showed that finely dispersed copper used as a catalyst for this reaction brings about formation of ethyl acetate. Some principles of preparation of precipitated and alloyed catalysts for this reaction have been determined. The optimal conditions of dehydrogenation of ethyl alcohol involve a temperature of 275-285° and a rate of flow of alcohol of 300-400 ml per liter catalyst space per hour. The experimental results generally apply to homologs of ethyl alcohol. When an equimolecular mixture of two alcohols is treated the (Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18229

I. Lel'chuk, S. L.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Karapet'yants, M. Kh.
TEMPERATURE DEPENDENCE OF THE HEAT OF EVAPORATION. [1961] 4p. 1 ref.
Order from OTS or SLA $1.10 61-18230

Trans. of Khimicheskaya Promyshlennost' (USSR) 1945, no. 6, p. 21-22.

DESCRIPTORS: *Hydrocarbons, Heat, Evaporation, Vaporization, Temperature.

A method of calculation of the heat of evaporation of various substances is suggested which can also be used in a graphical form. It requires a knowledge of the heat of evaporation of a reference substance at a temperature as far from its critical temperature as that of the substance under investigation from its own critical temperature. In addition, the equation given involves knowledge of a constant. For paraffin hydrocarbons an equation is given for the value of this constant as a func-
(Physics--Thermodynamics, TT, v. 6, no. 8) (over)

61-18230

1. Karapet'yants, M. Kh.

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(FDD 19572)

Methods of Developing the USSR Chemical Industry and the Role of the Urals in It, by A. G. Kasatkin, 21 pp.

RUSSIAN, no per, Khim Prom, No 8, Moscow, Aug 1945.

CIA/FDD/U-5242

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Drying Air With Inorganic Adsorbents, by [redacted]
P. Z. Burbo.

RUSSIAN, per, Khim Prom, No 11, 1945, pp 11-14.
CIA D 372820

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Freidlin, L. Kh., Balandin, A. A., Fridman, G. A., and Lebedeva, A. E.
HYDROLYSIS OF CHLOROBENZENE WITH WATER VAPOR IN PRESENCE OF SILICA-GEL CATALYSTS.
[1963] 15p 5refs
Order from OTS or SLA $1.60 63-18677

Trans. of Khimicheskaya Promyshlennost' (USSR) 1945 [no. 12, p. 8-11].

DESCRIPTORS: *Benzenes, *Chlorides, *Hydrolysis, Silicon compounds, Gels, Dioxides, Catalysts, Additives.

(Chemistry--Organic, TT, v. 10, no. 10)

63-18677

I. Title: Phenyl chloride
I. Freidlin, L. Kh.
II. Balandin, A. A.
III. Fridman, G. A.
IV. Lebedeva, A. E.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Khim Prom 1946, No 9, 8-9.

Basic Principles Underlying the Construction of a Tank for Continuous Production of Superphosphate

E. N. Ginzburg (Chief of Exper Const Bur, Sci Inst for Fertilizers and Insectofungicides)

(Wilson Dam 2566)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830053-6

Levin, A. I. and Fabrikant, T. L.
THE RATE OF POLYMERIZATION OF VINYL CHLORIDE IN EMULSION. [1961] 13p. 3 refs. [DSIR LLU] M 1671.
Order from OTS or SLA $1.60 61-13016

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1947, no. 2, p. 16-18.

DESCRIPTORS: *Vinyl chlorides, *Polymerization, *Polymers, Reaction kinetics.

(Materials--Plastics, TT, v. 6, no. 1)

61-13016

I. Levin, A. I.
II. Fabrikant, T. L.
III. DSIR LLU M.1671

161658

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